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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/850,036	05/08/2001	Juha Herajarvi	P 280308 2980611US/Hs/kp	9558
909	7590	09/23/2005	EXAMINER PAN, YUWEN	
PILLSBURY WINTHROP SHAW PITTMAN, LLP P.O. BOX 10500 MCLEAN, VA 22102			ART UNIT 2682	PAPER NUMBER

DATE MAILED: 09/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/850,036	Applicant(s) HERAJARVI ET AL.	
	Examiner Yuwen Pan	Art Unit 2682	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 August 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Terminal Disclaimer

1. The terminal disclaimer filed on 8/26/05 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of Meuronen (US006473622B1) has been reviewed and is accepted. The terminal disclaimer has been recorded.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hentilä et al (US006044259A) in view of Donovan et al (US005903726A).

Per claim 1, 7, and 8, 13, Hentilä discloses that a method and system for a telecommunication system comprising:

An intelligent network or a connection to an intelligent network (see figure 3 and column 6 and lines 17-45;

First means for generating a communication charging file (see column 4 and lines 43-56);

Memory for maintaining the account data of the intelligent network subscriber (see column 3 and lines 27-39);

Second means for retrieving the communication bill of the intelligent network subscriber from the charging file and update means responsive to the second means for updating the account data of the intelligent network subscriber with the message communication bill (see column 4 and lines 34-56).

Hentilä doesn't teach that the message communication includes one or more messages sent from or to a mobile station without setting up an end-to-end connection, such as a GSM network.

Donovan discloses that short messages that sent from or to a mobile station is charged and recorded in a billing system in a GSM network (see column 3 and lines 24), such short messages delivering service doesn't require the setting up of the end-to-end connection (see column 7 and lines 8-15).

It would have been obvious to one ordinary skill in the art at the time the invention was made to combine the teaching of Donovan with Hentilä such that wireless service provider would be able to charge both the real-time and none real-time service.

Per claims 2, 9, Hentilä further discloses that the subscriber is a subscriber using prepaid connection time; a limited value is set for credit data; after an update, a check is made to see if the account data is bigger than the limited value, and if the account data is smaller than the limit value, the user of chargeable massage communication services is blocked from the subscriber (see figure 5 and column 8 and lines 1-29).

Per claims 3, 11, Hentilä further teaches that the communication bill retrieval and account data update is performed at predefined intervals (see column 4 and lines 15-20).

Per claims 4-6, 12, Hentilä further teaches the account data of the subscriber is maintained in the intelligent network by maintaining a first set of account data on the subscriber's balance and a second set of account data for charging the balance, the account data of the subscriber is updated in two stages (see figure 4 and items 415, 420), wherein the execution time for each stages is purely arbitrary.

Per claim 10, Hentilä further teaches that as a response to the information blocks the transmission of communication from said subscriber (see figure 5).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yuwen Pan whose telephone number is 571-272-7855. The examiner can normally be reached on 8-5 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nick Corsaro can be reached on 571-272-7876. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

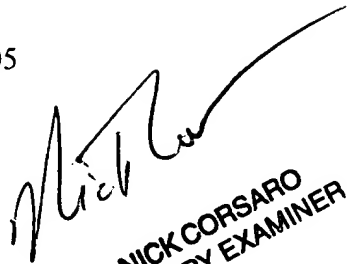
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Yuwen Pan

September 19, 2005


NICK CORSARO
PRIMARY EXAMINER